TABLE 13

GRAPHICAL COMPARISON OF FUELS

Low High

Producer gas (mixed) HAW No. 5.

B.t.u. per cubic foot = 167 176

Calories per m^3 = 1482 1570

Weight, kg per m^3 = 1.098=0.06862 Ib per cubic foot

Composition Volumetric	Products of Combustion per 100 Volumes of Gas				
	Air Supply in Percentage of Theoretical Requirements				
	100%	120%	140%	180%	260%
H_2 11.26					
CH_4 3.24					
CO 29.65					
0_2 0.19	0.00	5.35	10.70	21.41	42.82
$C0_2$ 1.25	34.14	34.14	34.14	34.14	34.14
	21.47	21.47	21.47	21.47	21.47
	157.70	179.11	200.52	243.33	328.96
	213.31	240.07	266.83	320.03	427.39
	133.75	160.51	187.27	240.79	347.83
	1.321				1.308
Weight kg per m^3	0.0825				0.0817
Ib per cubic foot	0.00				10.02
0_2	16.00	Percei	itage	(Wet)	7.99
CO_2	10.07	2.23	Basis	6.68	5.02
H_2O	73.93	14.20	4.01	10.66	76.97
N_2	0.00	8.93	12.79	6.70	10.55
	17.79	74.54	8.05	75.96	8.41
0_2.. ..	82.21	Percei	75.15	:Dry)	81.04
		2.45	itage	7.16	
$C0_2$		15.61	Basis	11.42	
N_2		81.94	4.36	81.42	
			13.91		
			81.73		